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Canadian Climate Normals 1971-2000

The minimum number of years used to calculate these Normals is indicated by a [code](#) for each element. A "+" beside an extreme date indicates that this date is the first occurrence of the extreme value. Values and dates in bold indicate all-time extremes for the location.

NOTE!! Data used in the calculation of these Normals may be subject to further quality assurance checks. This may result in minor changes to some values presented here.

WATERLOO WELLINGTON A * ONTARIO

Latitude: 43° 27' NLongitude: 80° 22' WElevation: 317.00 mClimate ID: 6149387WMO ID:TC ID:

* This station meets [WMO standards](#) for temperature and precipitation.

<u>Temperature:</u>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Code
Daily Average (°C)	-7.1	-6.4	-1.2	5.8	12.5	17.3	19.8	18.7	14.3	8.2	2.3	-3.8	6.7	A
Standard Deviation	2.8	2.8	2.4	1.7	1.9	1.4	1.1	1.2	1	1.7	1.5	2.6	0.8	A
Daily Maximum (°C)	-3.1	-2	3.3	11.1	18.6	23.4	25.9	24.7	20.2	13.4	6.1	-0.2	11.8	A
Daily Minimum (°C)	-11	-10.7	-5.8	0.4	6.3	11.2	13.7	12.7	8.4	2.9	-1.5	-7.3	1.6	A
Extreme Maximum (°C)	14.2	13.7	24.4	29.2	32	36.1	36	36.5	33.3	29.4	21.7	18.7		
Date (yyyy/dd)	1995/14	2000/26	2000/08	1990/25	1987/28	1988/25	1988/07+	2001/08	1973/03	1971/02	1974/01	1982/03		
Extreme Minimum (°C)	-31.9	-29.2	-25.4	-16.1	-3.9	-0.6	5	1.1	-3.7	-8.3	-15.4	-27.2		
Date (yyyy/dd)	1984/16	1979/18	1980/02	1972/08	1970/07	1972/11	1971/03+	1982/29	1989/27	1976/27	2000/23	1980/25		
<u>Precipitation:</u>														
Rainfall (mm)	27.9	25.6	45.1	69.1	77.9	81.3	91.8	86.3	85.8	64.5	70.4	39.5	765	A
Snowfall (cm)	43.5	30.6	24.1	7.8	0.3	0	0	0	0	1.2	13.7	38.5	159.5	A
Precipitation (mm)	64.4	51.5	69.9	76.9	78.3	81.3	91.8	86.3	85.8	65.6	82.7	73.6	907.9	A
Average Snow Depth (cm)	12	14	6	0	0	0	0	0	0	0	1	5	3	A
Median Snow Depth (cm)	12	14	5	0	0	0	0	0	0	0	0	4	3	A
Snow Depth at Month-end (cm)	15	11	1	0	0	0	0	0	0	0	1	8	3	A
Extreme Daily Rainfall (mm)	43	47	36.8	53.4	51.8	54.2	89.8	73.7	74.4	39.2	56	36.8		
Date (yyyy/dd)	1995/15	2001/09	1991/27	1992/16	1996/20	1984/17	1985/15	1975/24	1986/10	1977/08	1992/12	1990/29		
Extreme Daily Snowfall (cm)	16.8	17.8	21.2	14	6	0	0	0	0	6	16.6	22.4		
Date (yyyy/dd)	1992/14	1985/12	1980/08	1975/02	1984/13	1970/01+	1970/01+	1970/01+	1970/01+	1997/26	1986/20	1971/30		
Extreme Daily Precipitation (mm)	43	47	53.8	53.4	51.8	54.2	89.8	73.7	74.4	39.2	56	36.8		
Date (yyyy/dd)	1995/15	2001/09	1976/02	1992/16	1996/20	1984/17	1985/15	1975/24	1986/10	1977/08	1992/12	1990/29		
Extreme Snow Depth (cm)	58	74	77	18	0	0	0	0	0	2	19	50		
Date (yyyy/dd)	1976/24+	1982/14	1982/10	1975/04+	1970/01+	1970/01+	1970/01+	1970/01+	1970/01+	1989/21	1986/21	2000/31		
<u>Days with Maximum Temperature:</u>														
<= 0 °C	21.5	17.2	9.9	1	0	0	0	0	0	0	3.8	15.1	68.5	A
> 0 °C	9.5	11	21.1	29	31	30	31	31	30	31	26.2	15.9	296.8	A
> 10 °C	0.37	0.33	4.9	16.6	29.2	29.9	31	31	29.7	22	7.1	1.3	203.4	A
> 20 °C	0	0	0.28	2.7	12.4	23.3	29.6	27.9	15.2	3.8	0.14	0	115.4	A
> 30 °C	0	0	0	0	0.33	1.7	3	1.5	0.37	0	0	0	6.9	A
> 35 °C	0	0	0	0	0	0.03	0.17	0	0	0	0	0	0.2	A
<u>Days with Minimum Temperature:</u>														
> 0 °C	1	1.5	4.1	14.5	28.8	30	31	31	28.9	22	9.9	2.2	204.8	A
<= 2 °C	30.6	28	29	20.5	6.2	0.3	0	0.07	3	14.5	24.1	30	186.3	A
<= 0 °C	30	26.8	26.9	15.5	2.2	0.03	0	0	1.1	9	20.1	28.8	160.4	A
< -2 °C	27.8	24.4	21.8	8.8	0.27	0	0	0	0.23	4	13.6	24	124.8	A
< -10 °C	16.7	14.8	7.1	0.3	0	0	0	0	0	0	1	9.6	49.5	A
< -20 °C	3.2	3	0.53	0	0	0	0	0	0	0	0	0.9	7.6	A
< -30 °C	0.1	0	0	0	0	0	0	0	0	0	0	0	0.1	A
<u>Days with Rainfall:</u>														
>= 0.2 mm	5.1	4.3	7.5	11.3	12	11.7	10.4	11	11.5	13.1	11	6.7	115.6	A
>= 5 mm	1.9	1.6	3	4.2	4.9	5	5	4.5	5	4.1	4.4	2.9	46.5	A
>= 10 mm	0.9	0.87	1.7	2.4	2.7	3	3.1	2.9	2.9	2.3	2.2	1.3	34.6	A